Project Name: AS1

Project Code: AS1 Site ID: NT8 Observation ID: 1

Agency Name: CSIRO Division of Soils (NT)

**Site Information** 

Desc. By: E.A. Jackson Locality:

 Date Desc.:
 23/07/57
 Elevation:
 396 metres

 Map Ref.:
 Rainfall:
 0

 Northing/Long.:
 134.987222222222
 Runoff:
 No runoff

 Easting/Lat.:
 -23.8238888888889
 Drainage:
 No Data

**Geology** 

ExposureType: No Data Conf. Sub. is Parent. Mat.: No Data Geol. Ref.: No Data Substrate Material: No Data

**Land Form** 

Rel/Slope Class:Level plain <9m <1%</th>Pattern Type:No DataMorph. Type:No DataRelief:10 metresElem. Type:PedimentSlope Category:No DataSlope:0 %Aspect:No Data

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/ACalcic Mesonatric Red SodosolPrincipal Profile Form:N/AASC Confidence:Great Soil Group:Solodic soil

All necessary analytical data are available.

Site Disturbance:

**Vegetation:** 

Tall Strata - Shrub, , . \*Species includes - None Recorded

**Surface Coarse Fragments:** 

**Profile Morphology** 

0 - 0.07 m Red (2.5YR4/6-Moist); ; Fine sandy loam; Massive grade of structure; Very weak consistence; 10-20%, medium gravelly, 6-20mm, Quartz, coarse fragments; Many, fine (1-2mm) roots; Sharp

change to -

0.07 - 0.15 m Weak red (10R4/4-Moist); ; Medium clay; 5-10 mm, Angular blocky; Very weak consistence; 2-

10%, medium gravelly, 6-20mm, Gravel, coarse fragments; Common, fine (1-2mm) roots; Diffuse

change to -

0.15 - 0.33 m Red (10R4/6-Dry); ; Medium clay; 10-20 mm, Angular blocky; Firm consistence; 0-2%, fine

gravelly, 2-6mm, Gravel, coarse fragments; Diffuse change to -

0.33 - 0.58 m Weak red (10R4/4-Moist); ; Medium clay; Weak grade of structure, Angular blocky; Firm

consistence; 2-10%, fine gravelly, 2-6mm, Gravel, coarse fragments; Common (10 - 20 %),

Calcareous, , Soft segregations; Diffuse change to -

0.58 - 0.73 m ; Medium clay; Weak grade of structure, Angular blocky; Very weak consistence; 10-20%,

medium gravelly, 6-20mm, Gravel, coarse fragments; Common (10 - 20 %), Calcareous, , Soft

segregations; Abrupt change to -

0.73 - 0.93 m ; Medium clay; Massive grade of structure; Very weak consistence; 10-20%, medium gravelly, 6-

20mm, Gravel, coarse fragments; Common (10 - 20 %), Calcareous, , Soft segregations; Few (2

- 10 %), Gypseous, , Soft segregations;

**Morphological Notes** 

**Observation Notes** 

**Site Notes** 

ALICE SPRINGS

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## **Laboratory Test Results:**

Depth	рН	1:5 EC	Ca	Exchangeable	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	ĸ	Cmol (	•			%
0 - 0.07	7.8H	0.013C								
0.07 - 0.15	7.5H	0.43C		₹ 8.3	0.9	4.5				
0.15 - 0.33	7.7H	0.94C								
0.33 - 0.58	8.3H	1.6C								
0.58 - 0.73	7.8H	2.7C								
0.73 - 0.93	7.9H	3.6C								

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C %	P mg/kg	P %	N %	К %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 0.07				0.023F	0.035E			26	13C	72		7
0.07 - 0.15				0.0045	0.037E	3		12	9C	45		44
0.15 - 0.33 0.33 - 0.58	0.920			0.021F					8C	43	8	39
0.58 - 0.73 0.73 - 0.93	0.870 1.60							8	7C 6C	46 47		36 34
								_			-	

Depth	COLE	Gravimetric/Volumetric Water Contents								K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3								mm/h

0 - 0.07 0.07 - 0.15 0.15 - 0.33 0.33 - 0.58 0.58 - 0.73 0.73 - 0.93

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## **Laboratory Analyses Completed for this profile**

15\_NR\_CAExch. basic cations (Ca++) - meq per 100g of soil - Not recorded15\_NR\_KExch. basic cations (K++) - meq per 100g of soil - Not recorded15\_NR\_MGExch. basic cations (Mg++) - meq per 100g of soil - Not recorded15\_NR\_NAExch. basic cations (Na++) - meq per 100g of soil - Not recorded

19B\_NR Calcium Carbonate (CaCO3) - Not recorded

2\_LOI Loss on Ignition (%) 2A1 Air-dry moisture content

3A\_TSS Electrical conductivity or soluble salts - Total soluble salts %

4\_NR pH of soil - Not recorded

5\_NR Water soluble Chloride - Cl(%) - Not recordede

7\_NR Total nitrogen (%) - Not recorded 9A\_NR Total element - P(%) - Not recorded

P10\_GRAV Gravel (%)

P10\_NR\_C
P10\_NR\_CS
Coarse sand (%) - Not recorded
P10\_NR\_FS
P10\_NR\_Z
Clay (%) - Not recorded
Fine sand (%) - Not recorded
Silt (%) - Not recorded